

Ellen E Wohl

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1165911/ellen-e-wohl-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

278
papers

12,142
citations

65
h-index

95
g-index

305
ext. papers

14,090
ext. citations

4.4
avg, IF

7.32
L-index

#	Paper	IF	Citations
278	Biogeomorphic influences on river corridor resilience to wildfire disturbances in a mountain stream of the Southern Rockies, USA.. <i>Science of the Total Environment</i> , 2022 , 820, 153321	10.2	2
277	The Yukon and the Mackenzie: Large Arctic Rivers of North America 2022 , 368-387		0
276	Patterns of organic matter accumulation in dryland river corridors of the southwestern United States.. <i>Science of the Total Environment</i> , 2022 , 155136	10.2	0
275	Identification of Artificial Levees in the Contiguous United States. <i>Water Resources Research</i> , 2022 , 58,	5.4	3
274	Levees don't protect, they disconnect: A critical review of how artificial levees impact floodplain functions.. <i>Science of the Total Environment</i> , 2022 , 837, 155773	10.2	4
273	A river ran through it: Floodplains as America's newest relict landform. <i>Science Advances</i> , 2022 , 8,	14.3	1
272	Conceptualizing rivers as ecosystems. <i>Earth Surface Processes and Landforms</i> , 2021 , 46, 1652-1654	3.7	1
271	An Integrative Conceptualization of Floodplain Storage. <i>Reviews of Geophysics</i> , 2021 , 59, e2020RG000724	3.1	5
270	Flow and wake characteristics associated with large wood to inform river restoration. <i>Scientific Reports</i> , 2021 , 11, 8644	4.9	5
269	Seasonal and diurnal fluctuations of coarse particulate organic matter transport in a snowmelt-dominated stream. <i>River Research and Applications</i> , 2021 , 37, 815-825	2.3	2
268	Logjams and Channel Morphology Influence Sediment Storage, Transformation of Organic Matter, and Carbon Storage Within Mountain Stream Corridors. <i>Water Resources Research</i> , 2021 , 57, e2020WR028046	5.4	2
267	Rediscovering, Reevaluating, and Restoring Lost River-Wetland Corridors. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	7
266	Remote sensing of large wood in high-resolution satellite imagery: Design of an automated classification work-flow for multiple wood deposit types. <i>Earth Surface Processes and Landforms</i> , 2021 , 46, 2333-2348	3.7	2
265	Reflections on the history of research on large wood in rivers. <i>Earth Surface Processes and Landforms</i> , 2021 , 46, 55-66	3.7	6
264	The resilience of logjams to floods. <i>Hydrological Processes</i> , 2021 , 35,	3.3	10
263	Logjams as a driver of transient storage in a mountain stream. <i>Earth Surface Processes and Landforms</i> , 2021 , 46, 701-711	3.7	7
262	Field and Laboratory Experiments in Fluvial Geomorphology 2021 , 1051-1051		

261 High-Latitude Rivers and Permafrost **2021**,

260 Legacy effects of loss of beavers in the continental United States. *Environmental Research Letters*, **2021**, 16, 025010 6.2 6

259 Logjam attenuation of annual sediment waves in eolian-fluvial environments, North Park, Colorado, USA. *Geomorphology*, **2021**, 375, 107494 4.3 2

258 Introduction to the Wood in World Rivers special issue. *Earth Surface Processes and Landforms*, **2021**, 46, 1640-1645 3.7 2

257 All Logjams Are Not Created Equal. *Journal of Geophysical Research F: Earth Surface*, **2021**, 126, e2021JF006076 9.6 6

256 Wildfire and the patterns of floodplain large wood on the Merced River, Yosemite National Park, California, USA. *Geomorphology*, **2021**, 389, 107805 4.3 1

255 Laboratory Flume and Numerical Modeling Experiments Show Log Jams and Branching Channels Increase Hyporheic Exchange. *Water Resources Research*, **2021**, 57, e2021WR030299 5.4 1

254 Introduction and Overview: Treatise on Fluvial Geomorphology **2021**, 1-1

253 Damming the wood falls. *Science Advances*, **2021**, 7, eabj0988 14.3 3

252 Connectivity in Geomorphology **2020**, 1-7 1

251 Geomorphology and climate interact to control organic carbon stock and age in mountain river valley bottoms. *Earth Surface Processes and Landforms*, **2020**, 45, 1911-1925 3.7 5

250 The effects of longitudinal variations in valley geometry and wood load on flood response. *Earth Surface Processes and Landforms*, **2020**, 45, 2927-2939 3.7 2

249 **2020**, 6

248 Wood process domains and wood loads on floodplains. *Earth Surface Processes and Landforms*, **2020**, 45, 144-156 3.7 17

247 Regional- to local-scale controls on waterfalls in Rocky Mountain National Park, Colorado. *Journal of Mountain Science*, **2020**, 17, 1874-1890 2.1

246 Assessing restoration potential for beaver (*Castor canadensis*) in the semiarid foothills of the Southern Rockies, USA. *River Research and Applications*, **2020**, 36, 1932-1943 2.3 1

245 Rivers in the Anthropocene: The U.S. perspective. *Geomorphology*, **2020**, 366, 106600 4.3 12

244 How geomorphic context governs the influence of wildfire on floodplain organic carbon in fire-prone environments of the western United States. *Earth Surface Processes and Landforms*, **2020**, 45, 38-55 3.7 5

243 Lotic Freshwater: Rivers **2020**, 152-169

242	Mapping increases in hyporheic exchange from channel-spanning logjams. <i>Journal of Hydrology</i> , 2020 , 587, 124931	6	12
241	Sediment storage and shallow groundwater response to beaver dam analogues in the Colorado Front Range, USA. <i>River Research and Applications</i> , 2020 , 36, 398-409	2.3	11
240	Elevational differences in hydrogeomorphic disturbance regime influence sediment residence times within mountain river corridors. <i>Nature Communications</i> , 2019 , 10, 2221	17.4	16
239	Patterns of Floodplain Spatial Heterogeneity in the Southern Rockies, USA. <i>Geophysical Research Letters</i> , 2019 , 46, 5864-5870	4.9	1
238	The Natural Wood Regime in Rivers. <i>BioScience</i> , 2019 , 69, 259-273	5.7	59
237	Characterization of wood-laden flows in rivers. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 1694-1709	3.9	40
236	Transient organic jams in Puerto Rican mountain streams after hurricanes. <i>River Research and Applications</i> , 2019 , 35, 280-289	2.3	6
235	Significant Floodplain Soil Organic Carbon Storage Along a Large High-Latitude River and its Tributaries. <i>Geophysical Research Letters</i> , 2019 , 46, 2121-2129	4.9	16
234	Connectivity as an emergent property of geomorphic systems. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 4-26	3.7	131
233	The persistence of beaver-induced geomorphic heterogeneity and organic carbon stock in river corridors. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 342-353	3.7	18
232	Bedrock fracture influences on geomorphic process and form across process domains and scales. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 27-45	3.7	25
231	Forgotten Legacies: Understanding and Mitigating Historical Human Alterations of River Corridors. <i>Water Resources Research</i> , 2019 , 55, 5181-5201	5.4	36
230	Wood Jam Dynamics Database and Assessment Model (WoodDAM): A framework to measure and understand wood jam characteristics and dynamics. <i>River Research and Applications</i> , 2019 , 35, 1466-1477	2.3	8
229	Floodplain dynamics in North American permafrost regions under a warming climate and implications for organic carbon stocks: A review and synthesis. <i>Earth-Science Reviews</i> , 2019 , 193, 24-44	10.2	22
228	Shifting stream planform state decreases stream productivity yet increases riparian animal production. <i>Oecologia</i> , 2018 , 187, 167-180	2.9	15
227	Distribution of Large Wood Within River Corridors in Relation to Flow Regime in the Semiarid Western US. <i>Water Resources Research</i> , 2018 , 54, 1890-1904	5.4	23
226	Organic carbon storage in floodplain soils of the U.S. prairies. <i>River Research and Applications</i> , 2018 , 34, 406-416	2.3	9

225	Introduction to the themed issue: Wildfire and Geomorphic Systems. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 1542-1546	3.7	2
224	Where Does Wood Most Effectively Enhance Storage? Network-Scale Distribution of Sediment and Organic Matter Stored by Instream Wood. <i>Geophysical Research Letters</i> , 2018 , 45, 194-200	4.9	16
223	Historical land use as a driver of alternative states for stream form and function in forested mountain watersheds of the Southern Rocky Mountains. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 669-684	3.7	24
222	Geomorphic Controls on Floodplain Soil Organic Carbon in the Yukon Flats, Interior Alaska, From Reach to River Basin Scales. <i>Water Resources Research</i> , 2018 , 54, 1934-1951	5.4	20
221	River beads as a conceptual framework for building carbon storage and resilience to extreme climate events into river management. <i>Biogeochemistry</i> , 2018 , 141, 365-383	3.8	23
220	Rivers as Ecosystems. <i>SpringerBriefs in Environmental Science</i> , 2018 , 11-58	0.5	
219	Human Alterations of Rivers. <i>SpringerBriefs in Environmental Science</i> , 2018 , 59-104	0.5	2
218	Natural and Anthropogenic Controls on Wood Loads in River Corridors of the Rocky, Cascade, and Olympic Mountains, USA. <i>Water Resources Research</i> , 2018 , 54, 7893-7909	5.4	20
217	The challenges of channel heads. <i>Earth-Science Reviews</i> , 2018 , 185, 649-664	10.2	13
216	The loss of large wood affects rocky mountain trout populations. <i>Ecology of Freshwater Fish</i> , 2018 , 27, 1023-1036	2.1	13
215	Sustaining River Ecosystems and Water Resources. <i>SpringerBriefs in Environmental Science</i> , 2018 ,	0.5	6
214	Toward Sustainable Rivers and Water Resources. <i>SpringerBriefs in Environmental Science</i> , 2018 , 105-141	0.5	6
213	Modeling stream flow and sediment yield using the SWAT model: a case study of Ankara River basin, Turkey. <i>Physical Geography</i> , 2018 , 39, 264-289	1.8	22
212	Geomorphic regulation of floodplain soil organic carbon concentration in watersheds of the Rocky and Cascade Mountains, USA. <i>Earth Surface Dynamics</i> , 2018 , 6, 1101-1114	3.8	14
211	River network saturation concept: factors influencing the balance of biogeochemical supply and demand of river networks. <i>Biogeochemistry</i> , 2018 , 141, 503-521	3.8	62
210	Geomorphic context in rivers. <i>Progress in Physical Geography</i> , 2018 , 42, 841-857	3.5	10
209	Spatial Distribution of Channel and Floodplain Large Wood in Forested River Corridors of the Northern Rockies. <i>Water Resources Research</i> , 2018 , 54, 7879-7892	5.4	19
208	Wood and sediment storage and dynamics in river corridors. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 5-23	3.7	88

207	Mapping longitudinal stream connectivity in the North St. Vrain Creek watershed of Colorado. <i>Geomorphology</i> , 2017 , 277, 171-181	4.3	31
206	Bridging the gaps: An overview of wood across time and space in diverse rivers. <i>Geomorphology</i> , 2017 , 279, 3-26	4.3	87
205	Factors Controlling Sediment Load in The Central Anatolia Region of Turkey: Ankara River Basin. <i>Environmental Management</i> , 2017 , 59, 826-841	3.1	8
204	Transience of channel head locations following disturbance. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1132-1139	3.7	15
203	The pulse of driftwood export from a very large forested river basin over multiple time scales, Slave River, Canada. <i>Water Resources Research</i> , 2017 , 53, 1928-1947	5.4	23
202	Climate-invariant area-slope relations in channel heads initiated by surface runoff. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1745-1751	3.7	9
201	The significance of small streams. <i>Frontiers of Earth Science</i> , 2017 , 11, 447-456	1.7	75
200	Geomorphic response to an extreme flood in two Mediterranean rivers (northeastern Sardinia, Italy): Analysis of controlling factors. <i>Geomorphology</i> , 2017 , 290, 184-199	4.3	67
199	Floodplain downed wood volumes: a comparison across three biomes. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1248-1261	3.7	42
198	Connectivity in rivers. <i>Progress in Physical Geography</i> , 2017 , 41, 345-362	3.5	100
197	Beaver-mediated lateral hydrologic connectivity, fluvial carbon and nutrient flux, and aquatic ecosystem metabolism. <i>Water Resources Research</i> , 2017 , 53, 4606-4623	5.4	42
196	Carbon dynamics of river corridors and the effects of human alterations. <i>Ecological Monographs</i> , 2017 , 87, 379-409	9	53
195	Sobrarbe Geopark: an Example of Highly Diverse Bedrock Rivers. <i>Geoheritage</i> , 2017 , 9, 533-548	2.6	9
194	Instream large wood loads across bioclimatic regions. <i>Forest Ecology and Management</i> , 2017 , 404, 370-380	3.9	41
193	Examining the effect of geomorphic characteristics on pool temperatures for native fish habitat management in mountainous stream networks. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1299-1307	3.7	2
192	Evaluating carbon storage on subalpine lake deltas. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1472-1481	3.7	7
191	Rules of the road: A qualitative and quantitative synthesis of large wood transport through drainage networks. <i>Geomorphology</i> , 2017 , 279, 74-97	4.3	59
190	How does anisotropy in bedrock river granitic outcrops influence pothole genesis and development?. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 956-968	3.7	8

189	Substantial soil organic carbon retention along floodplains of mountain streams. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017 , 122, 1325-1338	3.8	15
188	Land before water: The relative temporal sequence of human alteration of freshwater ecosystems in the conterminous United States. <i>Anthropocene</i> , 2017 , 18, 27-46	3.9	21
187	Earth's dynamic surface: A perspective on the past 50 years in geomorphology 2017 ,		1
186	Investigating feedbacks in human landscape systems: Lessons following a wildfire in Colorado, USA. <i>Geomorphology</i> , 2016 , 252, 40-50	4.3	13
185	Introduction to Special Issue on Carbon and Landscape Dynamics. <i>Earth Surface Processes and Landforms</i> , 2016 , 41, 1790-1792	3.7	
184	Management of Large Wood in Streams: An Overview and Proposed Framework for Hazard Evaluation. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 315-335	2.1	62
183	Phosphorus in the river corridor. <i>Earth-Science Reviews</i> , 2016 , 158, 65-88	10.2	23
182	Spatial heterogeneity as a component of river geomorphic complexity. <i>Progress in Physical Geography</i> , 2016 , 40, 598-615	3.5	38
181	Sources and interpretation of channel complexity in forested subalpine streams of the Southern Rocky Mountains. <i>Water Resources Research</i> , 2016 , 52, 3910-3929	5.4	38
180	Banking carbon: a review of organic carbon storage and physical factors influencing retention in floodplains and riparian ecosystems. <i>Earth Surface Processes and Landforms</i> , 2016 , 41, 38-60	3.7	129
179	The Natural Sediment Regime in Rivers: Broadening the Foundation for Ecosystem Management. <i>BioScience</i> , 2015 , 65, 358-371	5.7	247
178	Rivers in the Critical Zone. <i>Developments in Earth Surface Processes</i> , 2015 , 267-293	2.8	1
177	Legacy effects on sediments in river corridors. <i>Earth-Science Reviews</i> , 2015 , 147, 30-53	10.2	102
176	Particle dynamics: The continuum of bedrock to alluvial river segments. <i>Geomorphology</i> , 2015 , 241, 192-208	4.9	19
175	Driftcretions: The legacy impacts of driftwood on shoreline morphology. <i>Geophysical Research Letters</i> , 2015 , 42, 5855-5864	4.9	23
174	The science and practice of river restoration. <i>Water Resources Research</i> , 2015 , 51, 5974-5997	5.4	283
173	Downstream effects of stream flow diversion on channel characteristics and riparian vegetation in the Colorado Rocky Mountains, USA. <i>Earth Surface Processes and Landforms</i> , 2015 , 40, 586-598	3.7	17
172	Of wood and rivers: bridging the perception gap. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015 , 2, 167-176	5.7	33

171	An evaluation of stream characteristics in glacial versus fluvial process domains in the Colorado Front Range. <i>Geomorphology</i> , 2015 , 231, 72-82	4.3	29
170	Instream wood loads in montane forest streams of the Colorado Front Range, USA. <i>Geomorphology</i> , 2015 , 234, 161-170	4.3	15
169	Carbon storage in mountainous headwater streams: The role of old-growth forest and logjams. <i>Water Resources Research</i> , 2014 , 50, 2376-2393	5.4	64
168	Effects of forest stand age on the characteristics of logjams in mountainous forest streams. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, n/a-n/a	3.7	17
167	CONTROLS ON THE LONGITUDINAL DISTRIBUTION OF CHANNEL-SPANNING LOGJAMS IN THE COLORADO FRONT RANGE, USA. <i>River Research and Applications</i> , 2014 , 30, 112-131	2.3	23
166	Leaky rivers: Implications of the loss of longitudinal fluvial disconnectivity in headwater streams. <i>Geomorphology</i> , 2014 , 205, 27-35	4.3	61
165	Response to commentary by Huang et al. regarding "Conceptual model for complex river responses using an expanded Lane's relation" <i>Geomorphology</i> , volume 139, 40, March 2012, pages 109-121. <i>Geomorphology</i> , 2014 , 209, 143-146	4.3	2
164	Log step and clast interactions in mountain streams in the central Cascade Range of Washington State, USA. <i>Geomorphology</i> , 2014 , 216, 180-186	4.3	12
163	Multiscale structural and lithologic controls in the development of stream potholes on granite bedrock rivers. <i>Geomorphology</i> , 2014 , 204, 588-598	4.3	34
162	A geomorphic classification of ephemeral channels in a mountainous, arid region, southwestern Arizona, USA. <i>Geomorphology</i> , 2014 , 221, 164-175	4.3	41
161	Spatial characterization of roughness elements in high-gradient channels of the Fraser Experimental Forest, Colorado, USA. <i>Water Resources Research</i> , 2014 , 50, 6015-6029	5.4	13
160	THE SIGNIFICANCE OF PERCEPTIONS AND FEEDBACKS FOR EFFECTIVELY MANAGING WOOD IN RIVERS. <i>River Research and Applications</i> , 2014 , 30, 98-111	2.3	24
159	Modeling the functional influence of vegetation type on streambank cohesion. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 1245-1258	3.7	66
158	Estimating fluvial wood discharge using time-lapse photography with varying sampling intervals. <i>Earth Surface Processes and Landforms</i> , 2014 , 39, 844-852	3.7	43
157	A legacy of absence: Wood removal in US rivers. <i>Progress in Physical Geography</i> , 2014 , 38, 637-663	3.5	110
156	Time and the rivers flowing: Fluvial geomorphology since 1960. <i>Geomorphology</i> , 2014 , 216, 263-282	4.3	30
155	Understanding human-landscape interactions in the "Anthropocene". <i>Environmental Management</i> , 2014 , 53, 4-13	3.1	58
154	Common core themes in geomorphic, ecological, and social systems. <i>Environmental Management</i> , 2014 , 53, 14-27	3.1	22

153	Feedbacks in human-landscape systems. <i>Environmental Management</i> , 2014 , 53, 28-41	3.1	35
152	Landscape-scale carbon storage associated with beaver dams. <i>Geophysical Research Letters</i> , 2013 , 40, 3631-3636	4.9	41
151	Seeing the Forest and the Trees: Wood in Stream Restoration in the Colorado Front Range, United States. <i>Geophysical Monograph Series</i> , 2013 , 399-418	1.1	3
150	The complexity of the real world in the context of the field tradition in geomorphology. <i>Geomorphology</i> , 2013 , 200, 50-58	4.3	23
149	9.33 Field and Laboratory Experiments in Fluvial Geomorphology 2013 , 679-693		20
148	Characterizing spatial variability in velocity and turbulence intensity using 3-D acoustic Doppler velocimeter data in a plane-bed reach of East St. Louis Creek, Colorado, USA. <i>Geomorphology</i> , 2013 , 183, 28-44	4.3	7
147	Floodplains and wood. <i>Earth-Science Reviews</i> , 2013 , 123, 194-212	10.2	114
146	Solute transport modeling using morphological parameters of step-pool reaches. <i>Water Resources Research</i> , 2013 , 49, 1345-1359	5.4	3
145	Wilderness is dead: Whither critical zone studies and geomorphology in the Anthropocene?. <i>Anthropocene</i> , 2013 , 2, 4-15	3.9	38
144	Waterfalls on the eastern side of Rocky Mountain National Park, Colorado, USA. <i>Geomorphology</i> , 2013 , 198, 37-44	4.3	14
143	Relationships between block quarrying, bed shear stress, and stream power: A physical model of block quarrying of a jointed bedrock channel. <i>Geomorphology</i> , 2013 , 180-181, 66-81	4.3	40
142	Biotic Drivers of Stream Planform. <i>BioScience</i> , 2013 , 63, 439-452	5.7	66
141	Evaluating channel response to an extreme sedimentation event in the context of historical range of variability: Upper Colorado River, USA. <i>Earth Surface Processes and Landforms</i> , 2013 , 38, 391-406	3.7	40
140	Organic carbon export in the form of wood during an extreme tropical storm, Upper Rio Chagres, Panama. <i>Earth Surface Processes and Landforms</i> , 2013 , 38, n/a-n/a	3.7	12
139	Variable contribution of wood to the hydraulic resistance of headwater tropical streams. <i>Water Resources Research</i> , 2013 , 49, 4711-4723	5.4	4
138	Migration of channel heads following wildfire in the Colorado Front Range, USA. <i>Earth Surface Processes and Landforms</i> , 2013 , 38, 1049-1053	3.7	50
137	Redistribution of forest carbon caused by patch blowdowns in subalpine forests of the Southern Rocky Mountains, USA. <i>Global Biogeochemical Cycles</i> , 2013 , 27, 1205-1213	5.9	13
136	Velocity prediction in high-gradient channels. <i>Journal of Hydrology</i> , 2012 , 424-425, 84-98	6	62

135	Historic range of variability in geomorphic processes as a context for restoration: Rocky Mountain National Park, Colorado, USA. <i>Earth Surface Processes and Landforms</i> , 2012 , 37, 209-222	3.7	9
134	Using ground penetrating radar to 'unearth' buried beaver dams. <i>Geology</i> , 2012 , 40, 43-46	5	39
133	The hydrology of the humid tropics. <i>Nature Climate Change</i> , 2012 , 2, 655-662	21.4	230
132	Mechanisms of carbon storage in mountainous headwater rivers. <i>Nature Communications</i> , 2012 , 3, 1263	17.4	110
131	Geomorphic response of a headwater channel to augmented flow. <i>Geomorphology</i> , 2012 , 138, 329-338	4.3	17
130	Conceptual model for complex river responses using an expanded Lane's relation. <i>Geomorphology</i> , 2012 , 139-140, 109-121	4.3	28
129	Identifying and mitigating dam-induced declines in river health: Three case studies from the western United States. <i>International Journal of Sediment Research</i> , 2012 , 27, 271-287	3	24
128	Characterization of the hydraulics at natural step crests in step-pool streams via weir flow concepts. <i>Water Resources Research</i> , 2012 , 48,	5.4	15
127	A two end-member model of wood dynamics in headwater neotropical rivers. <i>Journal of Hydrology</i> , 2012 , 462-463, 67-76	6	20
126	The beaver meadow complex revisited 'the role of beavers in post-glacial floodplain development. <i>Earth Surface Processes and Landforms</i> , 2012 , 37, 332-346	3.7	101
125	Dams in the Cadillac Desert: downstream effects in a geomorphic context. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1249, 227-46	6.5	20
124	Comparative analysis of bed resistance partitioning in high-gradient streams. <i>Water Resources Research</i> , 2011 , 47,	5.4	23
123	Hydraulics, morphology, and energy dissipation in an alpine step-pool channel. <i>Water Resources Research</i> , 2011 , 47,	5.4	74
122	Neighborhood matters: Patterns and controls on wood distribution in old-growth forest streams of the Colorado Front Range, USA. <i>Geomorphology</i> , 2011 , 125, 132-146	4.3	84
121	Geomorphic and process domain controls on riparian zones in the Colorado Front Range. <i>Geomorphology</i> , 2011 , 125, 504-516	4.3	45
120	Wood distribution along streams draining old-growth floodplain forests in Congaree National Park, South Carolina, USA. <i>Geomorphology</i> , 2011 , 126, 108-120	4.3	35
119	Coarse sediment movement in the vicinity of a logjam in a neotropical gravel-bed stream. <i>Geomorphology</i> , 2011 , 128, 191-198	4.3	14
118	Locations of channel heads in the semiarid Colorado Front Range, USA. <i>Geomorphology</i> , 2011 , 129, 309-319	4.3	62

117	Threshold-induced complex behavior of wood in mountain streams. <i>Geology</i> , 2011 , 39, 587-590	5	90
116	What should these rivers look like? Historical range of variability and human impacts in the Colorado Front Range, USA. <i>Earth Surface Processes and Landforms</i> , 2011 , 36, 1378-1390	3.7	68
115	Sandstone Landforms [By Robert W Young, Robert A L Wray and Ann R M Young. <i>Geographical Journal</i> , 2010 , 176, 119-120	2.2	
114	A brief review of the process domain concept and its application to quantifying sediment dynamics in bedrock canyons. <i>Terra Nova</i> , 2010 , 22, 411-416	3	16
113	Reclaiming freshwater sustainability in the Cadillac Desert. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21263-70	11.5	113
112	Controls on spatial variations in flow resistance along steep mountain streams. <i>Water Resources Research</i> , 2010 , 46,	5.4	47
111	Coarse sediment transport in a bedrock channel with complex bed topography. <i>Water Resources Research</i> , 2010 , 46,	5.4	23
110	Wood retention and transport in tropical, headwater streams, La Selva Biological Station, Costa Rica. <i>Geomorphology</i> , 2010 , 123, 61-73	4.3	44
109	Substrate controls on the longitudinal profile of bedrock channels: Implications for reach-scale roughness. <i>Journal of Geophysical Research</i> , 2010 , 115,		29
108	Quantitative technique for assessing the geomorphic thresholds for floodplain instability and braiding in the semi-arid environment. <i>Natural Hazards</i> , 2010 , 55, 145-160	3	6
107	Large in-stream wood studies: a call for common metrics. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, n/a-n/a	3.7	28
106	Lithological and fluvial controls on the geomorphology of tropical montane stream channels in Puerto Rico. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, 1402-1417	3.7	58
105	Controls on at-a-station hydraulic geometry in steep headwater streams, Colorado, USA. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, 1820-1837	3.7	46
104	. <i>Water Resources Monograph</i> , 2010 ,		44
103	Geomorphic implications of hydroclimatic differences among step-pool channels. <i>Journal of Hydrology</i> , 2009 , 374, 148-161	6	12
102	The linkage between velocity patterns and sediment entrainment in a forced-pool and riffle unit. <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 177-192	3.7	64
101	A conceptual model for the longitudinal distribution of wood in mountain streams. <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 329-344	3.7	94
100	Wood distribution in neotropical forested headwater streams of La Selva, Costa Rica. <i>Earth Surface Processes and Landforms</i> , 2009 , 34, 1198-1215	3.7	54

99	Linking theory and practice for restoration of step-pool streams. <i>Environmental Management</i> , 2009 , 43, 645-61	3.1	51
98	The impacts of ski slope development on stream channel morphology in the White River National Forest, Colorado, USA. <i>Geomorphology</i> , 2009 , 103, 375-388	4.3	21
97	Destabilization of streambanks by removal of invasive species in Canyon de Chelly National Monument, Arizona. <i>Geomorphology</i> , 2009 , 103, 363-374	4.3	44
96	Episodic wood loading in a mountainous neotropical watershed. <i>Geomorphology</i> , 2009 , 111, 149-159	4.3	39
95	Flow regimes, bed morphology, and flow resistance in self-formed step-pool channels. <i>Water Resources Research</i> , 2009 , 45,	5.4	96
94	Characterizing environmental flows for maintenance of river ecosystems: North Fork Cache la Poudre River, Colorado 2009 ,		4
93	The effect of bedrock jointing on the formation of straths in the Cache la Poudre River drainage, Colorado Front Range. <i>Journal of Geophysical Research</i> , 2008 , 113,		34
92	Wood dynamics in headwater streams of the Colorado Rocky Mountains. <i>Water Resources Research</i> , 2008 , 44,	5.4	115
91	Reach-scale channel geometry of mountain streams. <i>Geomorphology</i> , 2008 , 93, 168-185	4.3	112
90	Wood-mediated geomorphic effects of a julhlaup in the Wind River Mountains, Wyoming. <i>Geomorphology</i> , 2008 , 100, 549-562	4.3	21
89	Consistency of scaling relations among bedrock and alluvial channels. <i>Journal of Geophysical Research</i> , 2008 , 113,		78
88	Perceptions of wood in rivers and challenges for stream restoration in the United States. <i>Environmental Management</i> , 2008 , 41, 893-903	3.1	84
87	Influences on wood load in mountain streams of the Bighorn National Forest, Wyoming, USA. <i>Environmental Management</i> , 2008 , 42, 557-71	3.1	17
86	Field-derived relationships for flow velocity and resistance in high-gradient streams. <i>Journal of Hydrology</i> , 2007 , 340, 48-62	6	118
85	What Is a Natural River?. <i>Geography Compass</i> , 2007 , 1, 871-900	2.4	75
84	Assessment of coarse sediment mobility in the Black Canyon of the Gunnison River, Colorado. <i>Environmental Management</i> , 2007 , 40, 147-60	3.1	8
83	Assessment of stream ecosystem function and sensitivity in the Bighorn National Forest, Wyoming. <i>Environmental Management</i> , 2007 , 40, 284-302	3.1	19
82	8 Review of effects of large floods in resistant-boundary channels. <i>Developments in Earth Surface Processes</i> , 2007 , 11, 181-211	2.8	4

81	Field measurements of three-dimensional hydraulics in a step-pool channel. <i>Geomorphology</i> , 2007 , 83, 215-231	4.3	82
80	Relationships between land-use and forced-pool characteristics in the Colorado Front Range. <i>Geomorphology</i> , 2007 , 83, 249-265	4.3	32
79	Trends of grain sizes on gravel bars in the Rio Chagres, Panama. <i>Geomorphology</i> , 2007 , 83, 282-293	4.3	17
78	Geostatistical analysis of the effects of stage and roughness on reach-scale spatial patterns of velocity and turbulence intensity. <i>Geomorphology</i> , 2007 , 83, 322-345	4.3	41
77	Channel-Unit Hydraulics on a Pool-Riffle Channel. <i>Physical Geography</i> , 2007 , 28, 233-248	1.8	10
76	The relationship of lithology and watershed characteristics to fine sediment deposition in streams of the Oregon coast range. <i>Environmental Management</i> , 2006 , 37, 659-70	3.1	13
75	Channel-reach morphology dependence on energy, scale, and hydroclimatic processes with implications for prediction using geospatial data. <i>Water Resources Research</i> , 2006 , 42,	5.4	38
74	Flow resistance dynamics in step-pool stream channels: 1. Large woody debris and controls on total resistance. <i>Water Resources Research</i> , 2006 , 42,	5.4	37
73	Flow resistance dynamics in step-pool channels: 2. Partitioning between grain, spill, and woody debris resistance. <i>Water Resources Research</i> , 2006 , 42,	5.4	56
72	Theoretical modeling of stream potholes based upon empirical observations from the Orange River, Republic of South Africa. <i>Geomorphology</i> , 2006 , 82, 160-176	4.3	35
71	Human impacts to mountain streams. <i>Geomorphology</i> , 2006 , 79, 217-248	4.3	151
70	Process-Based Ecological River Restoration: Visualizing Three-Dimensional Connectivity and Dynamic Vectors to Recover Lost Linkages. <i>Ecology and Society</i> , 2006 , 11,	4.1	228
69	Plant dispersal along rivers fragmented by dams. <i>River Research and Applications</i> , 2006 , 22, 1-26	2.3	124
68	Channel geometry of mountain streams in New Zealand. <i>Journal of Hydrology</i> , 2005 , 300, 252-266	6	86
67	Prediction of mountain stream morphology. <i>Water Resources Research</i> , 2005 , 41,	5.4	75
66	River restoration. <i>Water Resources Research</i> , 2005 , 41,	5.4	376
65	Fine-Grained Sediment Dynamics Downstream from a Dam 2005 , 1		1
64	Establishing a context for river rehabilitation, North Fork Gunnison River, Colorado. <i>Environmental Management</i> , 2005 , 35, 593-606	3.1	16

63	Toward a theory for step pools in stream channels. <i>Progress in Physical Geography</i> , 2005 , 29, 275-296	3.5	127
62	Downstream Hydraulic Geometry along a Tropical Mountain River 2005 , 169-188		8
61	Limits of downstream hydraulic geometry. <i>Geology</i> , 2004 , 32, 897	5	90
60	Reach-scale channel geometry of a mountain river. <i>Earth Surface Processes and Landforms</i> , 2004 , 29, 969-981	3.7	65
59	Channel and woody debris characteristics in adjacent burned and unburned watersheds a decade after wildfire, Park County, Wyoming. <i>Geomorphology</i> , 2004 , 57, 217-233	4.3	56
58	Disconnected Rivers 2004 ,		64
57	Controls on Pool Characteristics along a Resistant-Boundary Channel. <i>Journal of Geology</i> , 2003 , 111, 103-114	2	43
56	Impacts to water quality and fish habitat associated with maintaining natural channels for flood control. <i>Environmental Management</i> , 2003 , 31, 724-40	3.1	5
55	Flow hydraulics and geomorphic effects of glacial-lake outburst floods in the Mount Everest region, Nepal. <i>Earth Surface Processes and Landforms</i> , 2003 , 28, 385-407	3.7	118
54	Influence of step composition on step geometry and flow resistance in step-pool streams of the Washington Cascades. <i>Water Resources Research</i> , 2003 , 39,	5.4	126
53	Downstream hydraulic geometry and channel adjustment during a flood along an ephemeral, arid-region drainage. <i>Geomorphology</i> , 2003 , 52, 165-180	4.3	86
52	An assessment of land use and other factors affecting sediment loads in the Rio Puerco watershed, New Mexico. <i>Geomorphology</i> , 2003 , 52, 269-287	4.3	23
51	Large woody debris and flow resistance in step-pool channels, Cascade Range, Washington. <i>Geomorphology</i> , 2003 , 51, 141-157	4.3	194
50	Testing for reach-scale adjustments of hydraulic variables to soluble and insoluble strata: Buckeye Creek and Greenbrier River, West Virginia. <i>Geomorphology</i> , 2003 , 56, 201-217	4.3	13
49	Predicting fine sediment dynamics along a pool-riffle mountain channel. <i>Geomorphology</i> , 2003 , 55, 111-124	4.4	45
48	Rivers and riverine landscapes. <i>Developments in Quaternary Sciences</i> , 2003 , 221-246	0.5	2
47	Substrate Influences on Incised-Channel Morphology. <i>Journal of Geology</i> , 2002 , 110, 115-120	2	35
46	PROCESSES GOVERNING HYDROCHORY ALONG RIVERS: HYDRAULICS, HYDROLOGY, AND DISPERSAL PHENOLOGY 2002 , 12, 1071-1087		178

45	One-dimensional sediment transport modeling of pool recovery along a mountain channel after a reservoir sediment release. <i>River Research and Applications</i> , 2001 , 17, 251-273		30
44	Bedrock channel morphology. <i>Bulletin of the Geological Society of America</i> , 2001 , 113, 1205-1212	3.9	69
43	Peak discharge estimates of glacial-lake outburst floods and normal climatic floods in the Mount Everest region, Nepal. <i>Geomorphology</i> , 2001 , 40, 57-90	4.3	104
42	Substrate Influences on Step-Pool Sequences in the Christopher Creek Drainage, Arizona. <i>Journal of Geology</i> , 2000 , 108, 121-129	2	41
41	Velocity characteristics along a small step-pool channel 2000 , 25, 353-367		103
40	Seasonal Changes in Bed Elevation in a Step-Pool Channel, Rocky Mountains, Colorado, U.S.A.. <i>Arctic, Antarctic, and Alpine Research</i> , 2000 , 32, 95-103	1.8	8
39	Inundation Hydrology 2000 , 145-166		9
38	Anthropogenic Impacts on Flood Hazards 2000 , 104-142		30
37	Comparison of Flood Management Strategies 2000 , 381-393		5
36	Assessing climate impacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 11141-2	11.5	
35	Sediment deposition and transport patterns following a reservoir sediment release. <i>Water Resources Research</i> , 2000 , 36, 319-333	5.4	122
34	. <i>Water Resources Monograph</i> , 2000 ,		157
33	Canyons with undulating walls. <i>Bulletin of the Geological Society of America</i> , 1999 , 111, 949-959	3.9	55
32	Velocity reversals and sediment sorting in pools and riffles controlled by channel constrictions. <i>Geomorphology</i> , 1999 , 27, 229-241	4.3	99
31	Relationships between hydraulic variables and bedload transport in a subalpine channel, Colorado Rocky Mountains, U.S.A.. <i>Geomorphology</i> , 1998 , 22, 359-371	4.3	33
30	Methodology and Implications of Maximum Paleodischarge Estimates for Mountain Channels, Upper Animas River Basin, Colorado, U.S.A.. <i>Arctic and Alpine Research</i> , 1998 , 30, 40		11
29	Interactions between pool geometry and hydraulics. <i>Water Resources Research</i> , 1998 , 34, 3673-3681	5.4	66
28	A Primer on Bedrock Channels. <i>Geophysical Monograph Series</i> , 1998 , 1-18	1.1	37

27	Bedrock Channel Morphology in Relation to Erosional Processes. <i>Geophysical Monograph Series</i> , 1998 , 133-151	1.1	40
26	Bedrock Fluvial Incision and Longitudinal Profile Development Over Geologic Time Scales Determined by Fluvial Terraces. <i>Geophysical Monograph Series</i> , 1998 , 207-235	1.1	74
25	Long Profile Development of Bedrock Channels: Interaction of Weathering, Mass Wasting, Bed Erosion, and Sediment Transport. <i>Geophysical Monograph Series</i> , 1998 , 297-319	1.1	77
24	Patterns of Bedrock Channel Erosion on the Boso Peninsula, Japan. <i>Journal of Geology</i> , 1998 , 106, 331-346		62
23	Experimental simulation of channel incision into a cohesive substrate at varying gradients. <i>Geology</i> , 1997 , 25, 295	5	62
22	Characteristics of log and clast bed-steps in step-pool streams of northwestern Montana, USA. <i>Geomorphology</i> , 1997 , 20, 1-10	4.3	99
21	ASSESSING THE ACCURACY OF PALEOHYDROLOGIC INDICATORS, HARPERS FERRY, WEST VIRGINIA ¹ . <i>Journal of the American Water Resources Association</i> , 1997 , 33, 1091-1102	2.1	7
20	A comparison of surface sampling methods for coarse fluvial sediments. <i>Water Resources Research</i> , 1996 , 32, 3219-3226	5.4	75
19	A REVISED VELOCITY-REVERSAL AND SEDIMENT-SORTING MODEL FOR A HIGH-GRADIENT, POOL-RIFFLE STREAM. <i>Physical Geography</i> , 1996 , 17, 142-156	1.8	70
18	Debris-Fan Formation and Rapid Modification at Warm Springs Rapid, Yampa River, Colorado. <i>Journal of Geology</i> , 1996 , 104, 729-740	2	38
17	CHANGES IN CHANNEL MORPHOLOGY ASSOCIATED WITH PLACER MINING. <i>Physical Geography</i> , 1995 , 16, 223-242	1.8	24
16	Coarse-sediment distribution as evidence of an elevation limit for flash flooding, Bear Creek, Colorado. <i>Geomorphology</i> , 1995 , 14, 199-210	4.3	29
15	Sedimentary records of late Holocene floods along the Fitzroy and Margaret Rivers, Western Australia. <i>Australian Journal of Earth Sciences</i> , 1994 , 41, 273-280	1.4	30
14	Controls on bedrock channel incision along nahal paran, Israel. <i>Earth Surface Processes and Landforms</i> , 1994 , 19, 1-13	3.7	83
13	Long river profiles, tectonism, and eustasy: A guide to interpreting fluvial terraces. <i>Journal of Geophysical Research</i> , 1994 , 99, 14031-14050		279
12	Channel bed-steps along Nahal Yael, Negev desert, Israel. <i>Geomorphology</i> , 1994 , 9, 117-126	4.3	90
11	Controls on Bedload Movement in a Subalpine Stream of the Colorado Rocky Mountains, U.S.A.. <i>Arctic and Alpine Research</i> , 1994 , 26, 77		39
10	A 4500-Year Record of Large Floods on the Colorado River in the Grand Canyon, Arizona. <i>Journal of Geology</i> , 1994 , 102, 1-9	2	103

9	Pool and riffle characteristics in relation to channel gradient. <i>Geomorphology</i> , 1993 , 6, 99-110	4.3	94
8	Bedrock Channel Incision along Piccaninny Creek, Australia. <i>Journal of Geology</i> , 1993 , 101, 749-761	2	90
7	Bedrock benches and boulder bars: Floods in the Burdekin Gorge of Australia. <i>Bulletin of the Geological Society of America</i> , 1992 , 104, 770-778	3.9	115
6	Thermoluminescence and Excess 226Ra Decay Dating of Late Quaternary Fluvial Sands, East Alligator River, Australia. <i>Quaternary Research</i> , 1992 , 37, 29-41	1.9	20
5	Gradient irregularity in the herbert gorge of Northeastern Australia. <i>Earth Surface Processes and Landforms</i> , 1992 , 17, 69-84	3.7	46
4	Debris flows as geomorphic agents in the Huachuca Mountains of southeastern Arizona. <i>Geomorphology</i> , 1991 , 4, 273-292	4.3	96
3	Hydrology and Discharge 29-44		18
2	Logjam Fluctuations During the Decade After a Major Blowdown Along a Mountain Stream in the US Southern Rockies. <i>Earth Surface Processes and Landforms</i> ,	3.7	0
1	Quantitatively Estimating Carbon Sequestration Potential in Soil and Large Wood in the Context of River Restoration. <i>Frontiers in Earth Science</i> , 9,	3.5	2